

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: August 12, 2004

Inspector: Chuck Gidman

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Approximately 0.29" of rain fell on 8/11 with only traces of rain since 8/5.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> - Access roads are completely accessible but slightly muddy following the rain. 8/12/04 - New Canaan Avenue is still free of tracked sediment from the Norwalk site. 8/12/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 8/12/04 - None at this time. Continue to monitor. 8/12/04
Foundation construction	<ul style="list-style-type: none"> - Work on the control house is ongoing and mostly internal. 8/05-8/12/04 - The construction of footings and excavation for retaining wall #3 is ongoing. 8/12/04 - Excavation also continues for installation of conduits from the north of the site. This includes concrete pouring 8/12/04 	<ul style="list-style-type: none"> - The areas are all well contained at this time. 8/12/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - The silt fence remains in good shape 8/12/04 	<ul style="list-style-type: none"> - Continue to be proactive in silt fence repair and maintenance.

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls cont'd	- Concrete washout continues in the low fill area near the center of site and is contained at this time. 8/12/04	- The main objective is to keep all washout water from resource areas and storm drains.
	- The topsoil stockpile remains well contained along the retaining wall and fill activities to the east of wall #2 are largely complete. 8/5-8/12/04	- The pile will continue to be used where necessary in areas to be grassed in the future and all soil is well contained. 6/30-8/12/04
	- Grass growth in some areas along the channel is still sparse. It appears that geese or other wildlife are consuming the seed before it can establish. 8/12/04	-Getting vegetation to establish here will be important before the warm growing season is over. 8/12/04 - No sedimentation or erosion was noted at the river on either end of the channel. 8/05-8/12/04
	-The seed placed on the bare spot below wall #5 is also no longer apparent and grass growth does not appear successful. 8/12/04	-Continue to monitor for sufficient vegetative growth and future stabilization. This spot could lead to a gully under the right conditions as it is in a fairly steep grade. 8/12/04
Inland Wetland and Watercourse encroachment and mitigation	<p>- The silt fence is still well in place along the river. 8/12/04</p> <p>- The areas along the channel are well under control with soil and straw mulch on the disturbed areas but additional seed may be necessary for grass cover. 8/05-8/12/04</p>	<p>- Continue to monitor silt fence and repair as necessary, especially in portions closest to the river.</p> <p>- There were no signs of sedimentation or erosion at either end of the channel. 8/12/04</p>

Areas of Inspection	Observation	Recommended Action
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- There should be no need for further clearing for most of the site. Landscaping is planned for along the bike path and native species are to be used. 8/12/04	- The old scour area will be monitored for cover. Future observations may find that a more significant root structure is needed here. 5/27-8/12/04
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills	- There were no spills reported during the week. Old or new drip areas were not noted again during the inspection. 8/12/04	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations		

Next likely scheduled inspection:

Thursday August 19, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Chuck Gidman

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Date: August 12, 2004

Inspector: Chuck Gidman

Location: Plumtree Substation Expansion , Bethel

**Storm/
Rain Event** Approximately 0.29" of rain fell on 8/11 with only traces of rain since 8/5.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 8/12/04	- None at this time. 8/12/04
Foundation construction	- Most footings within the excavations have been poured and completed and the excavations have been partially backfilled. There are a few new ones being constructed. 8/12/04 - Several small stockpiles of excavate remain on site as a result 7/22-8/12/04	- The areas are all well contained at this time. 8/12/04
Erosion and Sediment Controls (includes inspection within 24	- There is no silt fence in place at this time. If any stockpiles are going to be placed near the yard's outer chainlink fence, they should	- All areas are well contained and there is no sedimentation near any areas off-site. 8/12/04

Areas of Inspection	Observation	Recommended Action
hours of a storm event)	<p>be surrounded by silt fence or haybales or covered in plastic. 8/12/04</p> <p>- The existing small stockpiles have been sufficiently covered with plastic and are located well away from any sensitive areas. The plastic is getting slightly worn and should be repaired or replaced when needed. 8/12/04</p>	- Continue to be proactive in silt fence placement and maintenance.
	- The concrete washout station is being used appropriately and consistently while the new footings are being poured. 8/12/04	- The main objective is to keep all washout water from resource areas and storm drains.
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard but no work is in their vicinity at this time. 8/12/04	- None at this time.
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	<p>- Dewatering activities continue in order to remove standing water from the excavations for footing installation. 7/28-8/12/04</p> <p>- The water is being directed to a flat area within the yard and is not reaching any wetland areas at this time. 7/28-8/12/04</p>	- Both areas of dewatering have not had any issues with nearing the wetlands. If the volume of water increases, the flow should be filtered through a bag or haybales to reduce the chance of reaching off site. 7/28-8/12/04
Blasting	- No blasting is occurring on site at this time.	- None at this time.

Areas of Inspection	Observation	Recommended Action
Spills	<ul style="list-style-type: none"> - There were no spills reported during the week.. There are very few pieces of machinery on site at this time. 8/12/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations		

Next likely scheduled inspection:

Thursday August 19, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden for Chuck Gidman



View of the connection to the Norwalk river at the southern end of the overflow channel. Seed is no longer apparent on bare areas which may indicate that it continues to be eaten by wildlife. 8/12/04



Work on the footings and construction of Wall #3 continues. The area is well contained. 8/12/04



View of excavation and concrete pouring for the conduit duct banks. All areas are contained. 8/12/04



Excavations continue towards the northern portion of the site for the work on the conduits adjacent to the bike path. The excavation is contained at this time. 8/12/04



Portions of the excavations for footings at Plumtree have been backfilled and remaining stockpiles are still kept under plastic sheeting. 8/12/04



View of a new footing to be poured with the excavation well contained.. 8/12/04